

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	117279	neighboring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:18
L2	588	set adj packing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:06
L3	748	(stochastic adj local) or (heuristic adj local) or (local adj search)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:07
L4	104	combinat\$ adj3 auction	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:09
L5	3	2 and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:09
L6	189376	neighbor\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:18
L7	11	(1 or 2 or 3) and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:21
L8	11	6 and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:45
L9	787	casanova	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:45
L10	0	9 and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:46

L11	6413	cass	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:46
L12	0	11 and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:49
L13	4	3 and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:50

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| #1 | (((<stem>combinat)<near/3>(auction or auctions)<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001) | 0 |
| #2 | (((<stem>combinat)<near/3>(auction or auctions)<in>metadata)) | 0 |
| #3 | (((combinatorial)<near/3>(auction or auctions)<in>metadata)) | 26 |
| #4 | (((((combinatorial)<near/3>(auction or auctions)<in>metadata)<in>metadata) <and> (determination or assignment or allocation<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001) | 4 |
| #5 | (((((combinatorial)<near/3>(auction or auctions)<in>metadata)<in>metadata) <and> (determination or assignment or allocation<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001)<AND>(set or neighboring<in>metadata)) | 4 |
| #6 | (((((combinatorial)<near/3>(auction or auctions)<in>metadata)<in>metadata) <and> (determination or assignment or allocation<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001)<and>(neighboring<in>metadata)) | 0 |
| #7 | (((((combinatorial)<near/3>(auction or auctions)<in>metadata)<in>metadata) <and> (determination or assignment or allocation<in>metadata)) <and> (pyr >= 1950 <and> pyr <= 2001)<and>(packing<in>metadata)) | 0 |

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neighboring OR neighborhood OR set-packing 1985 - 2000

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Taming the Computational Complexity of Combinatorial Auctions: Optimal and Approximate Approaches

Y Fujishima, K Leyton-Brown, Y Shoham - [View as HTML](#) - [Cited by 190](#) - [Web Search](#)
... We propose an algorithm, **Combinatorial Auction Structured Search (CASS)**, presented as a naive brute-force approach followed by four improvements. ...
IJCAI, 1999 - robotics.stanford.edu - cs.ubc.ca - csee.usf.edu - portal.acm.org - all 7 versions »

Towards a universal test suite for combinatorial auction algorithms

K Leyton-Brown, M Pearson, Y Shoham - [Cited by 61](#) - [Web Search](#)
... applications of combinatorial auctions, as 2 Previous work characterizes hard cases for weighted set packing—equivalent to the combinatorial auction problem. ...
ACM Conference on Electronic Commerce, 2000 - portal.acm.org - csee.usf.edu - cs.ubc.ca - robotics.stanford.edu - all 9 versions »

Solving Combinatorial Auctions Using Stochastic Local Search

HH Hoos, C Boutilier - [View as HTML](#) - [Cited by 50](#) - [Web Search](#)
... a model for applying stochastic local search method to the winner determination problem. ...
The neighborhood relation we use is ... to that used for set packing in [4 ...
AAAI/IAAI, 2000 - cs.ubc.ca - cs.ubc.ca - csee.usf.edu - portal.acm.org - all 5 versions »

A combinatorial auction with multiple winners for universal service

FP Kelly, R Steinberg - [Cited by 46](#) - [Web Search](#)
... Tractable Auctions Attempts to make the combinatorial auction design problem ... that allowing arbitrary tripletons reduces to the three-set packing problem, which ...
Management Science, INFORMS Institute for Operations Research and the Management ..., 2000 - extenza-eps.com - faculty-gsb.stanford.edu - ged.econ.queensu.ca - statslab.cam.ac.uk - all 10 versions »

An efficient approximate algorithm for winner determination in combinatorial auctions

Y Sakurai, M Yokoo, K Kamei - [Cited by 17](#) - [Web Search](#)
... can be formalized as a weighted set packing problem ... presented an algorithm called the **Combinatorial Auction Structured Search (CASS)** algorithm. ...
ACM Conference on Electronic Commerce, 2000 - portal.acm.org - springerlink.com - kecl.ntt.co.jp - csee.usf.edu - all 5 versions »

An Algorithm for Multi-Unit Combinatorial Auctions

K Leyton-Brown, Y Shoham, M Tennenholtz - [View as HTML](#) - [Cited by 42](#) - [Web Search](#)
... **Combinatorial Auction Multi-Unit Search**, to compute the winners in a general, multi-unit combinatorial auction. A generalization and extension of our CASS ...
AAAI/IAAI, 2000 - csee.usf.edu - cs.ubc.ca - robotics.stanford.edu - portal.acm.org - all 7 versions »

Improving the Computational Efficiency of Combinatorial Auction Algorithms

F Ygge - [View as HTML](#) - [Cited by 1](#) - [Web Search](#)
... this problem is equivalent to weighted k-set packing. ... Computationally Efficient **Combinatorial Auction Algorithms 5** ... s algorithm [1] and the **CASS** algorithm [2] ...
EnerSearch Public Report: EnS, 1999 - enersearch.se - enersearch.se

Mathematical Challenges of Combinatorial Auction Design

J Case - [View as HTML](#) - [Cited by 1](#) - [Web Search](#)
... This problem, called the **combinatorial auction problem (CAP)**, is often formulated as an ... CAP, as formulated above, is an instance of the **set packing problem (SPP)** ...
SIAM News, 2000 - siam.org - matc.siam.org - siam.org - gateway.siam.org - all 5 versions »

Auction-theoretic coordination of production planning in the supply chain

K Ertogral, SD Wu - [Cited by 13](#) - [Web Search](#)
... Kuik et al. (1993) use simulated annealing and tabu search methods where the search neighborhood is defined on the setup variables. ...
IIE Transactions, 2000 - kluweronline.com - lehigh.edu

Issues in computational Vickrey auctions

T Sandholm - [View as HTML](#) - [Cited by 41](#) - [Web Search](#)
Page 1. Issues in Computational Vickrey Auctions Tuomas Sandholm sandholm@cs.wustl.edu Washington University Department of Computer Science St. ...
International Journal of Electronic Commerce, 2000 - cs.cmu.edu - www-2.cs.cmu.edu - cs.cmu.edu - cs.toronto.edu

Decision Processes in Agent-Based Automated Contracting

J Collins, C Bilot, M Gini, B Mobasher - [Cited by 21](#) - [Web Search](#)
... Algorithms such as Bidtree 8 and **CASS 10** have been proposed to reduce the search complexity, but price is their only criterion for bid selection. Our bids ...
Robotics and Autonomous Systems, 1998 - ieeexplore.ieee.org - portal.acm.org - portal.acm.org - csa.com - all 5 versions »

Tradable universal service obligations

JM Peha - [View as HTML](#) - [Cited by 6](#) - [Web Search](#)
... to provide service for the New York City suburbs in the neighboring State of ... [KELL98]
Frank Kelly and Richard Steinberg, "A Combinatorial Auction with Multiple ...
Telecommunications Policy, 1999 - ece.cmu.edu

A Market-Based Mechanism for Universal Service Obligations'

J Peha - [View as HTML](#) - [Cited by 2](#) - [Web Search](#)
... New York City, and another gained the right to provide service for the New York City suburbs in the neighboring State of New Jersey. ...
27th Telecommunications Policy Research Conference, 1999 - tprc.org

Negotiation and Equilibria in User Competition for Resources: A Dynamic Plot Approach

GEG Beroggi, PB Mirchandani - [Cited by 2](#) - [Web Search](#)
Page 1. Computational & Mathematical Organization Theory 6, 61–82, 2000. c

all considered

2000 Kluwer Academic Publishers. Printed in The Netherlands. ...

Computational and Mathematical Organization Theory, 2000 - kluweronline.com - springerlink.com - portal.acm.org

Nondominated Schedules for a Job-Shop with Two Competing Users

A Agnetis, PB Mirchandani, D Pacciarelli, A ... - [Cited by 2](#) - [Web Search](#)

Page 1. Computational & Mathematical Organization Theory 6:2 (2000): 191–217 c

2000 Kluwer Academic Publishers. Manufactured in The Netherlands ...

Computational & Mathematical Organization Theory, Kluwer Academic Publishers Hingham, MA, USA, 2000 - kluweronline.com - pacciarelli.dia.uniroma3.it - portal.acm.org - portal.acm.org

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Towards a universal test suite for combinatorial auction algorithms

K Leyton-Brown, M Pearson, Y Shoham - [Cited by 61](#) - [Web Search](#)

... in previous re- search on specific applications of combinatorial auctions, as 2

Previous work characterizes hard cases for weighted **set packing**—equivalent to ...

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... this problem is equivalent to weighted **k-set packing**. ... s algo- rithm as well as the

CASS algorithm have ... iBundle: An efficient ascending price **bundle auction**. ...

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	12	bundle adj auction <i>rev</i>	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 16:57
S1	117279	neighboring	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:18
S2	588	set adj packing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:06
S3	748	(stochastic adj local) or (heuristic adj local) or (local adj search)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:07
S4	104	combinat\$ adj3 auction <i>rev</i>	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:09
S5	3	S2 and S4 <i>rev</i>	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:09
S6	189376	neighbor\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:18
S7	11	(S1 or S2 or S3) and S4 <i>rev</i>	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:21
S8	11	S6 and S4 <i>rev</i>	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:45
S9	787	casanova	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:45

S10	0	S9 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:46
S11	6413	cass	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:46
S12	0	S11 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 15:49
S13	4	S3 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/11 16:57